

What is claimed is:

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1. An ink supply amount adjusting method for a printing press having an ink fountain for storing an ink, an ink fountain roller to which said ink is supplied from said ink fountain, a plurality of ink fountain keys aligned in an axial direction of said ink fountain roller to adjust an amount of ink to be supplied from said ink fountain to said ink fountain roller, and an ink roller group for supplying said ink to a plate in an amount adjusted in accordance with a feed rate of said ink fountain roller, comprising the steps of

obtaining reference opening amounts of said ink fountain keys in accordance with image area ratios of respective areas, corresponding to said ink fountain keys, of said plate by following a preset relationship between an image area ratio and opening amounts of said ink fountain keys, and

uniformly correcting the obtained reference opening amounts of said ink fountain keys with preset correction values, thereby obtaining set values of the opening amounts of said ink fountain keys.

2. A method according to claim 1, further comprising the step of overwriting the correction values of the opening amounts of said ink fountain keys.

009060" 090600

3. A method according to claim 2, wherein the
overwriting step comprises the steps of
obtaining the reference opening amounts of
said ink fountain keys, prior to start of actual
printing, by following the preset relationship between
the image area ratio and the opening amounts of said ink
fountain keys, and
obtaining correction values of the obtained
reference opening amounts of said ink fountain keys on
the basis of measured densities of a printing sample
printed by using testing plates having the same image
area ratio.

4. An ink supply amount adjusting method for a
printing press having an ink fountain for storing an ink,
an ink fountain roller to which said ink is supplied
from said ink fountain, a plurality of ink fountain keys
aligned in an axial direction of said ink fountain
roller to adjust an amount of ink to be supplied from
said ink fountain to said ink fountain roller, and an
ink roller group for supplying said ink to a plate in an
amount adjusted in accordance with a feed rate of said
ink fountain roller, comprising the steps of
uniformly presetting correction values of
opening amounts of said ink fountain keys,
correcting origin positions of the opening
amounts of said ink fountain keys by using the preset

15 correction values, and
16 setting the opening amounts of said ink
17 fountain keys in accordance with image area ratios of
18 respective areas, corresponding to said ink fountain
19 keys, of said plate by following a preset relationship
20 between an image area ratio and the opening amounts of
21 said ink fountain keys.

5. A method according to claim 4, further
2 comprising the step of overwriting the correction values
3 of the opening amounts of said ink fountain keys.

6. A method according to claim 5, wherein the
2 overwriting step comprises the steps of
3 obtaining reference opening amounts of said
4 ink fountain keys, prior to start of actual printing, by
5 following the preset relationship between the image area
6 ratio and the opening amounts of said ink fountain keys,
7 and
8 obtaining correction values of the obtained
9 reference opening amounts of said ink fountain keys on
10 the basis of measured densities of a printing sample
11 printed by using testing plates having the same image
12 area ratio.

7. An ink supply amount adjusting method for a
2 printing press having an ink fountain for storing an ink,

009060" 7E55960

3 an ink fountain roller to which said ink is supplied
4 from said ink fountain, a plurality of ink fountain keys
5 aligned in an axial direction of said ink fountain
6 roller to adjust an amount of ink to be supplied from
7 said ink fountain to said ink fountain roller, and an
8 ink roller group for supplying said ink to a plate in an
9 amount adjusted in accordance with a feed rate of said
10 ink fountain roller, comprising the steps of
11 presetting correction values of feed rates of
12 said ink fountain rollers, and
13 correcting a preset reference feed rate of
14 said ink fountain roller by using the preset correction
15 values, thereby setting the feed rates of said ink
16 fountain rollers.

8. A method according to claim 7, further
2 comprising the step of overwriting the correction values
3 of the feed rates of said ink fountain rollers.

9. A method according to claim 7, further
2 comprising the steps of
3 obtaining reference opening amounts of said
4 ink fountain keys in accordance with image area ratios
5 of respective areas, corresponding to said ink fountain
6 keys, of said plate by following a preset relationship
7 between an image area ratio and the opening amounts of
8 said ink fountain keys, and

9 uniformly correcting the obtained reference
10 opening amounts of said ink fountain keys with the
11 preset correction values, thereby obtaining set values
12 of the opening amounts of said ink fountain keys.

10. A method according to claim 7, further
2 comprising the steps of
3 uniformly setting the correction values of the
4 opening amounts of said ink fountain keys,
5 correcting origin positions of the opening
6 amounts of said ink fountain keys by using the preset
7 correction values, and
8 obtaining the opening amounts of said ink
9 fountain keys in accordance with image area ratios of
10 respective areas, corresponding to said ink fountain
11 keys, of said plate by following a preset relationship
12 between an image area ratio and the opening amounts of
13 said ink fountain keys.

11. An ink supply amount adjusting apparatus for
2 a printing press having an ink fountain for storing an
3 ink, an ink fountain roller to which said ink is
4 supplied from said ink fountain, a plurality of ink
5 fountain keys aligned in an axial direction of said ink
6 fountain roller to adjust an amount of ink to be
7 supplied from said ink fountain to said ink fountain
8 roller, and an ink roller group for supplying said ink

9 to a plate in an amount adjusted in accordance with a
10 feed rate of said ink fountain roller, comprising
11 first calculating means for obtaining
12 reference opening amounts of said ink fountain keys in
13 accordance with image area ratios of respective areas,
14 corresponding to said ink fountain keys, of said plate
15 by following a preset relationship between an image area
16 ratio and opening amounts of said ink fountain keys, and
17 second calculating means for uniformly
18 correcting the reference opening amounts of said ink
19 fountain keys output from said first calculating means
20 with preset correction amounts, thereby obtaining set
21 values of the opening amounts of said ink fountain keys.

12. An apparatus according to claim 11, further
2 comprising overwriting means for overwriting the
3 correction values of the opening amounts of said ink
4 fountain keys.

13. An apparatus according to claim 12, wherein
2 said overwriting means comprises
3 third calculating means for obtaining the
4 reference opening amounts of said ink fountain keys,
5 prior to start of actual printing, by following the
6 preset relationship between the image area ratio and the
7 opening amounts of said ink fountain keys, and
8 setting means for setting the correction

9 values of the reference opening amounts of said ink
10 fountain keys output from said third calculating means
11 on the basis of measured densities of a printing sample
12 printed by using testing plates having the same image
13 area ratio.

14. An ink supply amount adjusting apparatus for
2 a printing press having an ink fountain for storing an
3 ink, an ink fountain roller to which said ink is
4 supplied from said ink fountain, a plurality of ink
5 fountain keys aligned in an axial direction of said ink
6 fountain roller to adjust an amount of ink to be
7 supplied from said ink fountain to said ink fountain
8 roller, and an ink roller group for supplying said ink
9 to a plate in an amount adjusted in accordance with a
10 feed rate of said ink fountain roller, comprising
11 correction means for correcting origin
12 positions of the opening amounts of said ink fountain
13 keys by using the preset correction values of the
14 opening amounts of said ink fountain keys, and
15 first calculating means for obtaining set
16 values of the opening amounts of said ink fountain keys
17 in accordance with image area ratios of respective areas,
18 corresponding to said ink fountain keys, of said plate
19 by following a preset relationship between an image area
20 ratio and the opening amounts of said ink fountain keys.

15. An apparatus according to claim 14, further
2 comprising overwriting means for overwriting the
3 correction values of the opening amounts of said ink
4 fountain keys.

16. An apparatus according to claim 15, wherein
2 said rewriting means comprises
3 second calculating means for obtaining
4 reference opening amounts of said ink fountain keys,
5 prior to start of actual printing, by following the
6 relationship between the preset image area ratio and the
7 opening amounts of said ink fountain keys, and
8 setting means for setting correction values of
9 the reference opening amounts of said ink fountain keys
10 output from said second calculating means on the basis
11 of measured densities of a printing sample printed by
12 using testing plates having the same image area ratio.

17. An ink supply amount adjusting apparatus for
2 a printing press having an ink fountain for storing an
3 ink, an ink fountain roller to which said ink is
4 supplied from said ink fountain, a plurality of ink
5 fountain keys aligned in an axial direction of said ink
6 fountain roller to adjust an amount of ink to be
7 supplied from said ink fountain to said ink fountain
8 roller, and an ink roller group for supplying said ink
9 to a plate in an amount adjusted in accordance with a

10 feed rate of said ink fountain roller, comprising
11 presetting means for presetting correction
12 values of feed rates of said ink fountain rollers, and
13 first calculating means for correcting a
14 preset reference feed rate of said ink fountain roller
15 by using the correction values obtained by said setting
16 means, thereby obtaining set values of the feed rates of
17 said ink fountain rollers.

18. An apparatus according to claim 17, further
2 comprising overwriting means for overwriting the
3 correction values of the feed rates of said ink fountain
4 rollers.

19. An apparatus according to claim 17, further
2 comprising
3 second calculating means for obtaining
4 reference opening amounts of said ink fountain keys in
5 accordance with image area ratios of respective areas,
6 corresponding to said ink fountain keys, of said plate
7 by following a preset relationship between an image area
8 ratio and the opening amounts of said ink fountain keys,
9 and
10 third calculating means for uniformly
11 correcting the reference opening amounts of said ink
12 fountain keys output from said second calculating means
13 with preset correction values, thereby obtaining set

14 values of the opening amounts of said ink fountain keys.

20. An apparatus according to claim 17, further

2 comprising

3 correcting means for correcting origin

4 positions of the opening amounts of said ink fountain

5 keys with the preset correction values of the opening

6 amounts of said ink fountain keys, and

7 second calculating means for obtaining set

8 values of the opening amounts of said ink fountain keys

9 in accordance with image area ratios of respective areas,

10 corresponding to said ink fountain keys, of said plate

11 by following a preset relationship between an image area

12 ratio and the opening amounts of said ink fountain keys.

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